

WHAT IS CLAIMED IS:

1. An optical pickup head comprising:

a base section;

5 a first board which is provided on the base section and has a first wiring pattern;

a second board which is provided on the base section at an angle different from that of the first board and has a second wiring pattern electrically connected to the first wiring pattern; and

10 a flexible section which is formed on at least one of the first and second boards and to which a part of the wiring pattern is extended, the wiring pattern of the first board and the wiring pattern of the second board being soldered to each other via the wiring pattern extended to the flexible section.

15 2. The optical pickup head according to claim 1, further comprising:

a convex part which is formed on the first board; and

20 a concave part which is formed on the second board and is mated with the convex part to align the first board and the second board with each other.

25 3. The optical pickup head according to claim 2, wherein at least one of the first and second boards is fixed to the base section at one point with a fixing screw.

4. The optical pickup head according to claim 1,

wherein the board on which the flexible section is formed includes

a hard plate member; and

5 a flexible wiring section which is bendable and is laminated to the hard plate member with a strip-like part of the flexible wiring section left as it is and on which a wiring pattern of the board is printed, wherein

10 the flexible section makes the strip-like part of the flexible wiring section.

5. A method of manufacturing an optical pickup head formed by fixing a first board with a first wiring pattern and a second board with a second wiring pattern to a base section, the method comprising:

15 a first step of forming a convex part on the first board;

a second step of forming a concave part on the second board;

20 a third step of forming a flexible section to which a part of the wiring pattern is extended, on at least one of the first and second boards;

a fourth step of mating the convex part and the concave part with each other to align the first and second boards with each other; and

25 a fifth step of soldering the wiring pattern of the first board and the wiring pattern of the second board to each other via the wiring pattern extended to

the flexible section.

6. The method according to claim 5, wherein at least one of the first and second boards is fixed to the base section at one point with a fixing screw.

5           7. The method according to claim 5, wherein the third step includes

          a sixth step of laminating a flexible wiring section which is bendable and on which a wiring pattern for the flexible-section-formed is printed, to a hard  
10       plate member, with a strip-like part of the flexible wiring section left as it is, wherein

          the flexible section makes the strip part of the flexible wiring section.

          8. An optical pickup device comprising:  
15       a head section for projecting laser light onto a disk medium via an optical lens; and

          a holding section for holding the disk medium so that the disk medium may face the head section,

          the head section includes  
20       a base section which includes the optical lens;  
          a first board which is provided on the base section and has a wiring pattern;

          a second board which is provided on the base section at an angle different from that of the first  
25       board and has a wiring pattern electrically connected to the wiring pattern of the first board;

          a convex part which is formed on the first board;

a concave part which is formed on the second board and mates with the convex part to align the first board and the second board with each other; and

5 a flexible section which is formed on at least one of the first and second boards and to which a part of the wiring pattern is extended, the wiring pattern of the first board and the wiring pattern of the second board being soldered to each other via the wiring pattern extended to the flexible section.

10 9. The optical pickup device according to claim 8, wherein at least one of the first and second boards is fixed to the base section at one point with a fixing screw.

15 10. The optical pickup device according to claim 8, wherein the board on which the flexible section is formed includes

a hard plate member; and

20 a flexible wiring section which is bendable and is laminated to the hard plate member with a strip-like part of the flexible wiring section left as it is and on which a wiring pattern for the board is printed, wherein

the flexible section makes the strip-like part of the flexible wiring section.